

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Attorney Docket No. Kriedte 4-1-2In re application of: Kai Roland Kriedte, Tim Schenk, and Allert van ZelstSerial No.: Not Yet AssignedGroup No.: Not Yet AssignedFiled: Not Yet AssignedExaminer: Not Yet AssignedMatter No.: 992.1089For: Symbol Timing For MIMO OFDM and Other Wireless Communication Systems**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR § 1.56, this is an Information Disclosure Statement (IDS) for the above-captioned U.S. patent application. An IDS Form PTO-1449 listing references is enclosed herewith and forms a part hereof.

Certification Under 37 CFR § 1.704(d)

- ☐ Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this statement.

Certification Under 37 CFR § 1.97(e)

- ☐ Each item of information contained in this statement was either (1) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement or (2) not known to any individual designated in § 1.56(c) more than three months prior to the filing of this statement.

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Certification Under 37 CFR 1.10"Express Mail" Mailing Label No. EV140154467US

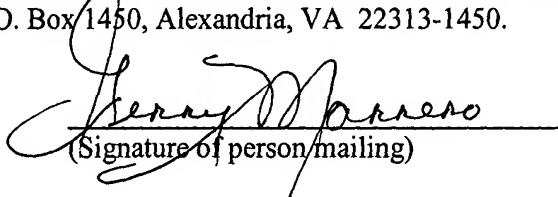
Date of Deposit

8/20/03

I hereby certify that this paper or fee is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Gerry Marrero

(Name of person mailing)


(Signature of person mailing)

Fee Under 37 CFR § 1.97(c)

☐ The fee for submission of this IDS under § 1.97(c) is \$180.00 as set forth in § 1.17(p).

Petition Under 37 CFR § 1.97(d)

☐ This is a petition requesting consideration of an IDS under § 1.97(d). The petition fee for submission of this IDS under § 1.97(d) is \$130.00 as set forth in § 1.17(i).

Provision of Copies of References

☒ A copy of each of the listed references is enclosed herewith and forms a part hereof.

☐ A translation of each of Reference(s) __ is enclosed herewith and forms a part hereof.

☐ A copy of the International Search Report from a corresponding PCT application is enclosed herewith.

☐ A copy of the European Search Report from a corresponding EPO application is enclosed herewith.

☐ The above-captioned U.S. patent application is a

- ☐ continuation
- ☐ divisional
- ☐ continuation-in-part

application of U.S. application serial number ____, filed on ____ as Attorney Docket No. ____.
Each of the listed references was previously cited by or submitted to the Office in the prior application. The above-captioned U.S. patent application relies upon the prior application for an earlier filing date under 35 U.S.C. 120. Pursuant to § 1.98(d), copies of the listed references are not being provided with this IDS.

Authorization To Charge Deposit Account

☒ Authorization is given to charge **Mendelsohn & Associates, P.C. Deposit Account No. 50-0782** for any fee under § 1.97(c) and § 1.17(p) or under § 1.97(d) and § 1.17(i).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449 form as confirmation that each of the documents has been considered.

Date: 8/20/03
Customer No. 22186
Mendelsohn & Associates, P.C.
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Respectfully submitted,



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Enclosures

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Kriedte 4-1-2
APPLICANT

Not yet assigned

Kai Roland Kriedte, Tim Schenk, and Allert van Zelst
FILING DATE GROUP

Not yet assigned

Not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AA	EP 1 206 061 A1	05/2002	EPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AB	"Robust Frequency and Timing Synchronization for OFDM", by Timothy M. Schmidl and Donald C. Cox, IEEE Transactions on Communications, Vol. 45, No. 12, December 1997, pp. 1613-1621.
	AC	"A Technique for Orthogonal Frequency Division Multiplexing Frequency Offset Correction", by Paul H. Moose, IEEE Transactions on Communications, Vol. 42, No. 10, October 1994, pp. 2908-2914.
	AD	"Synchronization for MIMO OFDM Systems", by Apurva N. Mody and Gordon L. Stüber; School of Electrical Computer Engineering, Georgia Institute of Technology, Atlanta, GA, Nov. 2001, 5 pages.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.